

E-906/Seaquest Status

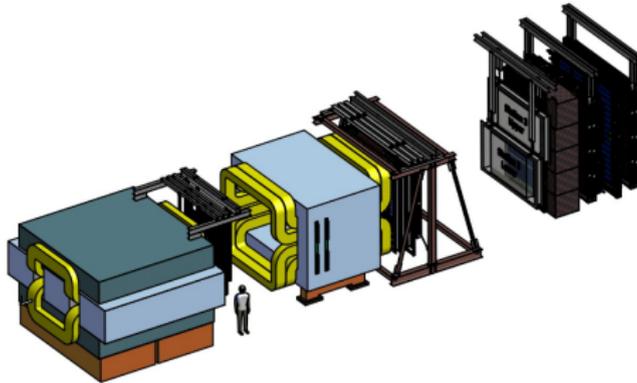
Michelle M. Medeiros



Argonne National Laboratory

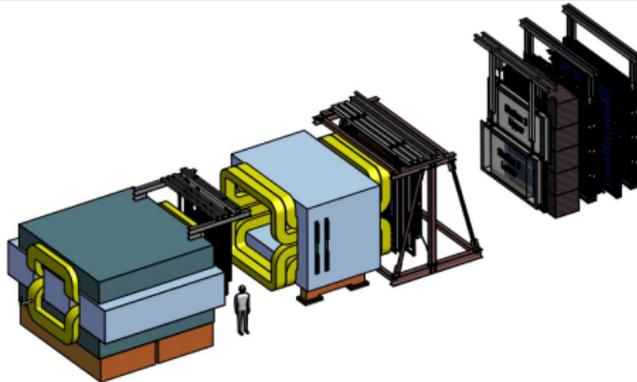
Nov 9, 2015

Target.



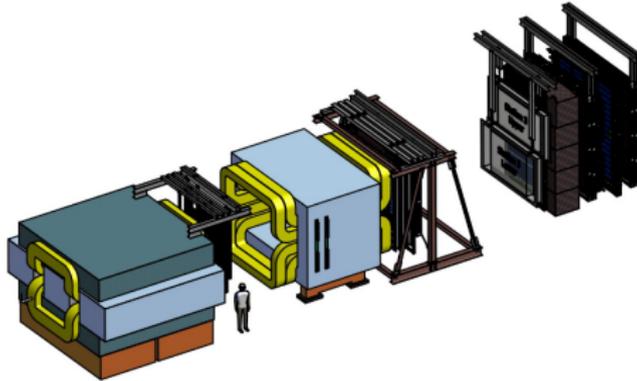
- Hydrogen target is filled and ready to go.
- Deuterium target is ready to be filled;
→ as soon as station 1 is fixed.

Station 1.



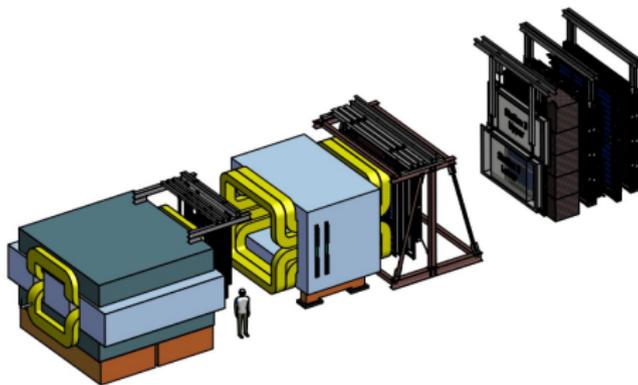
- Had some problems in the past few weeks → no data was being readout.
- Found a broken wire.
- In order to replace the wire the chamber had to be opened.
- We are now in the process of removing the oxygen from inside the chamber.

Station 2.



- Issue last week → some channels were not showing data.
- Found out that one of the crates was off → turned it on.

Station 3 and 4.



- Working good.

◇ **Hodoscopes high voltage (HV) scan**

- Testing the response of each hodoscope for different HV values.
- The study of the number of events should show the optimized HV.

◇ **Chambers voltage study**

◇ **Trigger optimization**

Summary.

- Working on cleaning the air inside the chamber in station 1.
- H₂ target is ready to go and D₂ ready to be filled.
- Stations 2, 3 and 4 ready for taking real data.
- Optimization studies being done meanwhile.